CLAIMS

We Claim:

1. A spray cool system with a dry access chamber, comprising:

a chassis having a wet chamber and a dry chamber, wherein said wet chamber is for thermally managing an electronic device by applying liquid coolant to an electronic device within said wet chamber;

a dry access door removably attached about said dry chamber; and

a wet access door removably attached about said wet chamber, wherein said wet access door is capable of sealing said wet chamber.

2. The spray cool system with a dry access chamber of Claim 1, wherein said wet chamber includes a coolant spray system.

3. The spray cool system with a dry access chamber of Claim 2, wherein said coolant spray system is comprised of components chosen from the group consisting essentially of a spray unit, a sensor, a card cage, an intake valve and a condenser.

4. The spray cool system with a dry access chamber of Claim 3, wherein said coolant spray system is fluidly connected to a coolant system positioned within said wet chamber.

5. The spray cool system with a dry access chamber of Claim 1, wherein said dry chamber includes a coolant system fluidly connected to said wet chamber.

6. The spray cool system with a dry access chamber of Claim 5, wherein said coolant system is fluidly connected to a spray unit positioned within said wet chamber.

7. The spray cool system with a dry access chamber of Claim 5, wherein said coolant system is comprised of components chosen from the group consisting essentially of a filter, a pump, a heater, a sensor and a separator.

8. The spray cool system with a dry access chamber of Claim 1, wherein said dry access door is capable of sealing said dry chamber.

9. The spray cool system with a dry access chamber of Claim 1, wherein said dry chamber is adjacent to said wet chamber within said chassis.

10. The spray cool system with a dry access chamber of Claim 1, wherein said dry chamber is sealed from said wet chamber.

11. A spray cool system with a dry access chamber, comprising:

a chassis having a wet chamber and a dry chamber, wherein said wet chamber is for thermally managing an electronic device by applying liquid coolant to an electronic device within said wet chamber;

wherein said wet chamber includes a coolant spray system for thermally managing an electronic device;

wherein said dry chamber includes a coolant system fluidly connected to said coolant spray system;

a dry access door removably attached about said dry chamber; and

a wet access door removably attached about said wet chamber, wherein said wet access door is capable of sealing said wet chamber.

12. The spray cool system with a dry access chamber of Claim 11, wherein said coolant spray system is comprised of components chosen from the group consisting essentially of a spray unit, a sensor, a card cage, an intake valve and a condenser.

13. The spray cool system with a dry access chamber of Claim 11, wherein said coolant system is fluidly connected to a spray unit positioned within said wet chamber.

14. The spray cool system with a dry access chamber of Claim 11, wherein said coolant system is comprised of components chosen from the group consisting essentially of a filter, a pump, a heater, a sensor and a separator.

15. The spray cool system with a dry access chamber of Claim 11, wherein said dry access door is capable of sealing said dry chamber.

16. The spray cool system with a dry access chamber of Claim 11, wherein said dry chamber is adjacent to said wet chamber within said chassis.

17. The spray cool system with a dry access chamber of Claim 11, wherein said dry chamber is sealed from said wet chamber.